PocketWizard Flex TT5 - FEATURES

The Most Versatile PocketWizard Ever. The FlexTT5 Transceiver maximizes both E-TTL II and Manual Remote Control capability of Canon photographic equipment by greatly expanding their operating environment. Lock your flash into the FlexTT5 built-in hot shoe, turn it on and you are ready to shoot. With 32 standard triggering channels, 20 E-TTL II channels and Multi-zone capability, it's the perfect MultiMAX partner. But wait, there's more...

- **ControlTL™:** PocketWizard's newest firmware platform taps into the camera's digital communications to enable an entirely new level of remote flash capability through our proven radio system. ControlTL allows remote TTL for Canon E-TTL II systems as well as Manual Power Control. ControlTL firmware is configurable and upgradeable for "future-proof" continuous improvement. Find more details on ControlTL here.

- **Dedicated E-TTL II Triggering:** Locking your MiniTTI Transmitter into the hot shoe of a Canon DSLR camera and mounting E-TTL II flashes onto FlexTT5 Transceivers gives you full autoflash exposure control with the freedom and reliability of a PocketWizard radio. There are no special settings to make or modes to call up. Use the camera, on-camera flash or flash commander controls for flash compensation, zone and ratio control.

- **Manual Power Control:** Adjust the manual power settings of your remote Canon Speedlites directly from a 580EX II flash mounted on your on-camera MiniTT1 or FlexTT5. Working with a Canon 580EX II in the shoe of the MiniTT1 or FlexTT5, you can independently control the power output of up to three groups of lights (you can have as many lights in each group as you want) from full power down to the lowest setting simply through the user interface on the back of the 580EX II. Now you can work with total control with your remote lights, without leaving your shooting position.

- **Basic Trigger Mode:** Allows the MiniTT1 or FlexTT5 to work as a transmitter on ANY camera it will fit. Anyone looking for the small form factor of the MiniTT1 can use it on other DSLR's, SLR's or even medium format cameras with standard hot shoes. The MiniTT1 and FlexTT5 are completely reverse compatible with all previous PocketWizards so they will work with whatever PocketWizards you already own.

- **Auto-Sensing Transceiver Technology:** PocketWizard's Auto-Sensing Transceiver Technology enables the FlexTT5 Transceiver to switch back and forth between Transmitter and Receiver modes as needed for greater flexibility on the job. All PocketWizard Transceivers default to Reciever mode. When a hotshoe or other trigger is detected, it automatically switches to Transmitter mode.

- **Auto-Relay Mode:** Easily trigger a remote camera in sync with distant remote flashes with Auto-Relay Mode. Put a camera where you can't be and have remote TTL or non-TTL lighting at the same time. Expand your coverage and increase your creativity.

- **Power Tracking:** When working in E-TTL II you can change any of your control settings on your flash or camera and the system adjusts for those changes. Change your flash compensation to adjust the exposure or make adjustments in shutter speed, aperture or ISO and the system balances your flash for proper exposure.

- **Eight Frames per Second:** Now you can shoot multiple remote E-TTL flashes at up to 8fps.

- **HyperSync™:** HyperSync allows photographers to achieve faster X-sync speeds, all the way up to 1/8000 second, with full power flash. Now you can cut the ambient light and use wide-open apertures, outdoors in bright sunlight. That extra speed can also freeze action, whether shooting models or athletes in motion.

  HyperSync works with both TTL speedlites and full size studio flash. All you need is a MiniTT1 or FlexTT5 on camera that has been tuned to your specific camera via the PocketWizard Utility. While performance varies by the camera and flash equipment being used, HyperSync will get the maximum possible out of any set-up.

- **FP/High Speed Sync:** When HyperSync can't keep up, High Speed Sync takes over for Speedlite flash photography all the way to 1/8000. ControlTL optimizes this amazing feature and provides more light (which equals greater working distance), faster recycling times and more flashes per battery set when shooting in Canon's HSS/FP Flash mode. Use this feature to shoot wide open in bright sun for amazing results.

  Click here to watch a detailed video on Optimized High Speed Sync as narrated by Photographer Mark Wallace.

- **High Speed Sync (HSS or FP Sync) Disable Mode:** Select either HSS Sync or HyperSync™ at shutter speeds at or over 1/640. This allows you to use HyperSync and the benefit of full power flash all the way up to 1/8000 with certain flash systems.

- **Automatic HSS Trigger Timing for Manual Flash:** This allows you to mix a manual flash with an E-TTL II flash in HSS/FP Sync shots at 1/640 and above with certain flash systems.

- **Auto Trigger Select for ControlTL:** The hot shoe on both the MiniTT1 and Flex TT5 will trigger just about any hot shoe flash placed into it in addition to the Canon Speedlite's it is designed for. Yes, you can now fire just about any hot shoe flash including Vivatar, Nikon, etc., in manual mode only and not TTL mode. (max trigger voltage < 50V, use P2 port for up to 200V)

- **Continuous Remote Camera Triggering:** This allows for triggering a continuous motor drive burst of a camera connected to the P1 port on a remote FlexTT5.

- **Transmitter Mode Only:** This prevents triggering of a flash mounted on a FlexTT5 to be used as a transmitter by other photographers in the area using PocketWizard radios.

- **Low-Profile Design:** The FlexTT5 lies flat, stays out of the way and features a flip-up antenna for additional range when needed.

- **Built-in Hot Shoe:** Lock your Canon flash into the FlexTT5's dedicated hot shoe and combine your remote flash with on-camera flash or use the on-camera flash for additional E-TTL II or Manual Power Control only. The metal and glass reinforced resin hot shoe assembly is a superstructure onto itself and incredibly durable. The best part; no more cords.

- **Channels / Learn Mode:** The FlexTT5 has two channel configuration settings; C1 and C2. Each can be programmed as needed with up to 20 ControlTL channels for TTL photography or Manual Power Control, or 32 standard channels for manual flash photography. Channels can be configured with the PocketWizard utility or use the Learn function to quickly program channels, or the reset function to configure back to factory settings.

- **Zone Select:** The FlexTT5 Transceiver has an A-B-C zone select switch to allow use with the slave groups found on Canon E-TTL II or manual flashes. Using these zones allows you to use the E-TTL II or Manual Power Control ratio controls found in the Canon system. Manual Power Control enables you to set the ratios through the Master Flash. See Manual Power Control. These zones can also be used with a MuiltiMAX thus allolwing you to pair a single MultiMAX radio on camera with FlexTT5's Transceivers on your remote flashes and utilize many of the MultiMAX's advance trigger functions.

- **Programmable and Upgradeable:** Use the supplied PocketWizard Utility software with the on-board USB port to program the MiniTT1 to any PocketWizard channel and zone as well as many other custom settings. The MiniTT1 can be upgraded whenever updates and feature enhancements are available (many planned!).

- **Reverse Compatible:** The FlexTT5 Transceiver operates on the same channels as all other PocketWizards and will work with any PocketWizard radio you may already have.

- **Camera/Flash Ports:** The FlexTT5 Transceiver has two plug-in ports for use with remote E-TTL II cameras and other flash units, including studio strobes. With its auto-relay function, the Flex can trigger a remote camera and transmit to a remote strobe.

PocketWizard FlexTT5 - SPECS

TTL Compatibility	Canon E-TTL II
Frequency:	340 - 354 MHz
Channels:	52 Channels over 26 Frequencies
Antenna:	2.7" (6.9 cm) rubberized with 180 degree swing
Transmit output power:	Less than 0.001 watt (1/1000 of a watt or 1 milliwatt)
Range Performance:	30 to 800 feet (10 to 240 meters) for E-TTL II triggering depending on flash used, antenna orientation and other variables. 30 to 1200 feet (10 to 365 meters) for basic triggering depending on flash used, antenna orientation and other variables. For more info, click here.
Mounting:	Hot Shoe, 1/4-20, lanyard, velcro
Maximum Shooting Rate Frames per second (fps)	8 fps for E-TTL II and normal triggering
Power / Channel Switch	OFF - C.2 - C.1
Zone Select Switch	A-B-C (matches Canon slave groups)
Status Indicator	LED: Green, Amber, Red status indications
Camera / P1 Port	1/8" (3.5 mm) stereo miniphone for 2-stage remote camera triggering. Port Voltage Handling: up to 50 Volts, 100 milliamp continuous Tip = Trigger Ring = Pre-Trigger Sleeve = Ground
Flash / P2 Port	1/8" (3.5 mm) mono miniphone. Port Voltage Handling: up to 200 Volts, 4 amps peak, 250 milliamp continuous, non-polarized
Minimum Receive Contact Time	Camera / P1 Port = 80 milliseconds

	Flash / P2 Port = 500us
Voltage Present	3.3 VDC (all pins) - safe for all cameras
Hot Shoe voltage protection:	Hot Shoe: up to 50V
USB:	USB Compliant 2.0, Mini-B Connector, 5VDC regulated, 100mA, Pin 1 Positive, Pin 4 Ground
Operating Temperature	Above -15° C (5° F) and below 50° C (120° F).
Storage Temperature (without battery)	Above -30 C (-22 F) and below 85 C (185 F)
Construction	High impact plastic, captive battery door Hot Shoe made of glass reinforced resin
Power	Two (2) AA (IEC:LR6) Alkaline recommended, other chemistries (NiMH, NiCAD, Lithium) allowed, USB
Battery Life	60 + Hours
Dimensions	3.6" (9.2 cm) long x 2.9" (7.3 cm) wide x 1.4" (3.6 cm) tall, antenna lowered
Weight	5.4 oz (153 grams) 3.8 oz (108 grams) without batteries
Included in the box	FlexTT5 Transceiver, USB cable, Two (2) AA batteries, Quick Guide
ROHS Compliant	